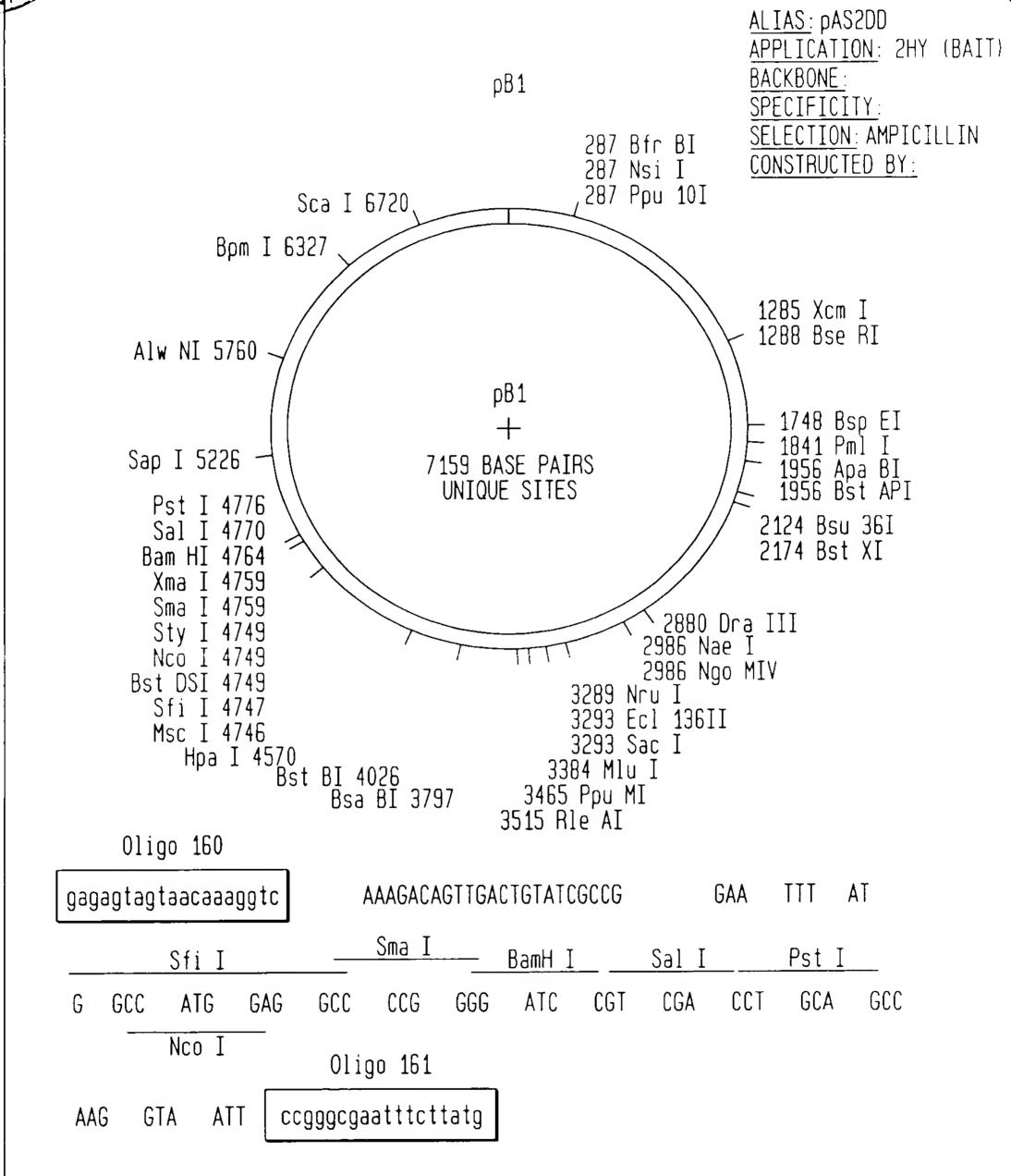
1/19

FIG. 1



Oligo 160 5' GAGAGTAGTAACAAAGGTC 3' Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIG. 2

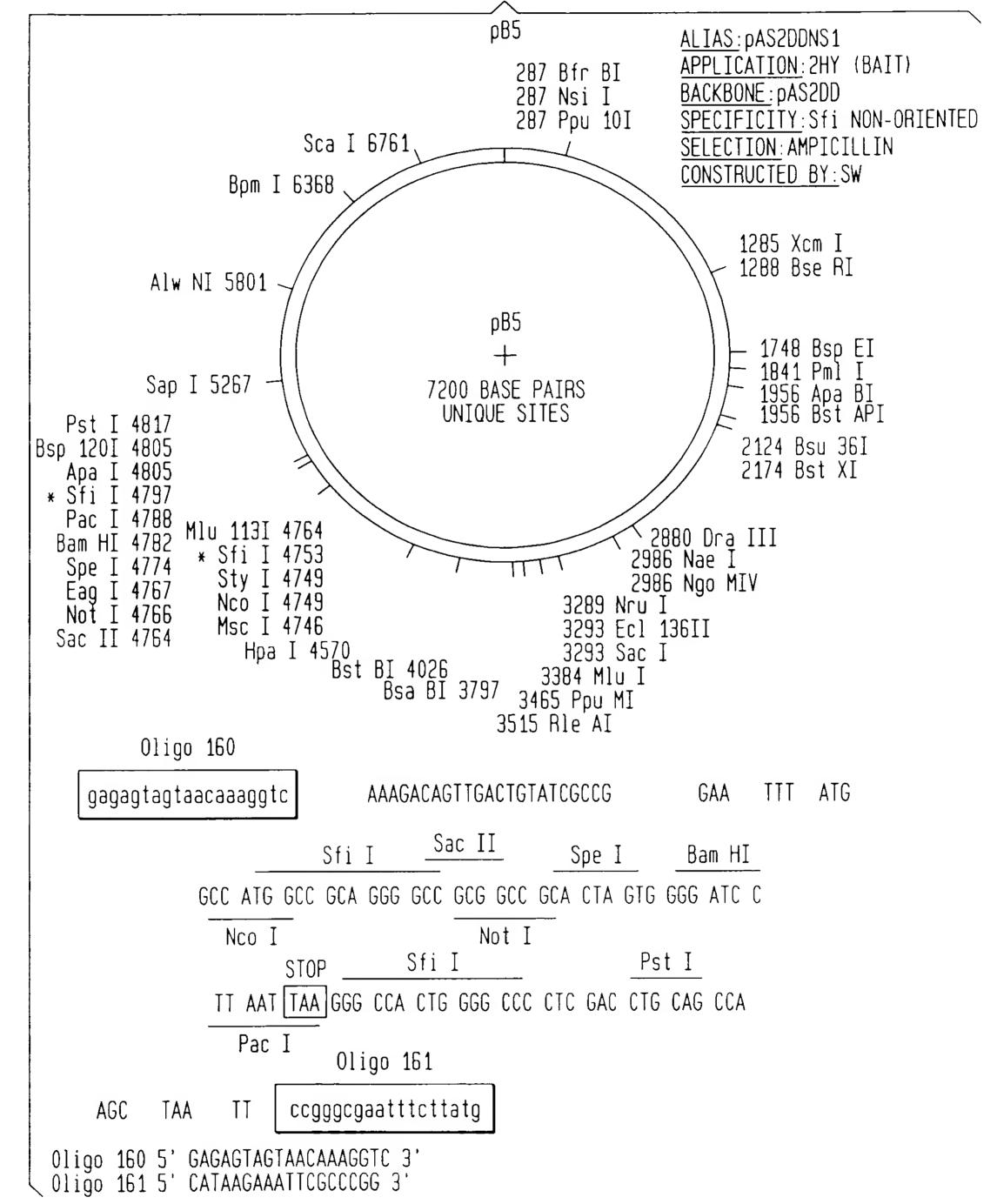
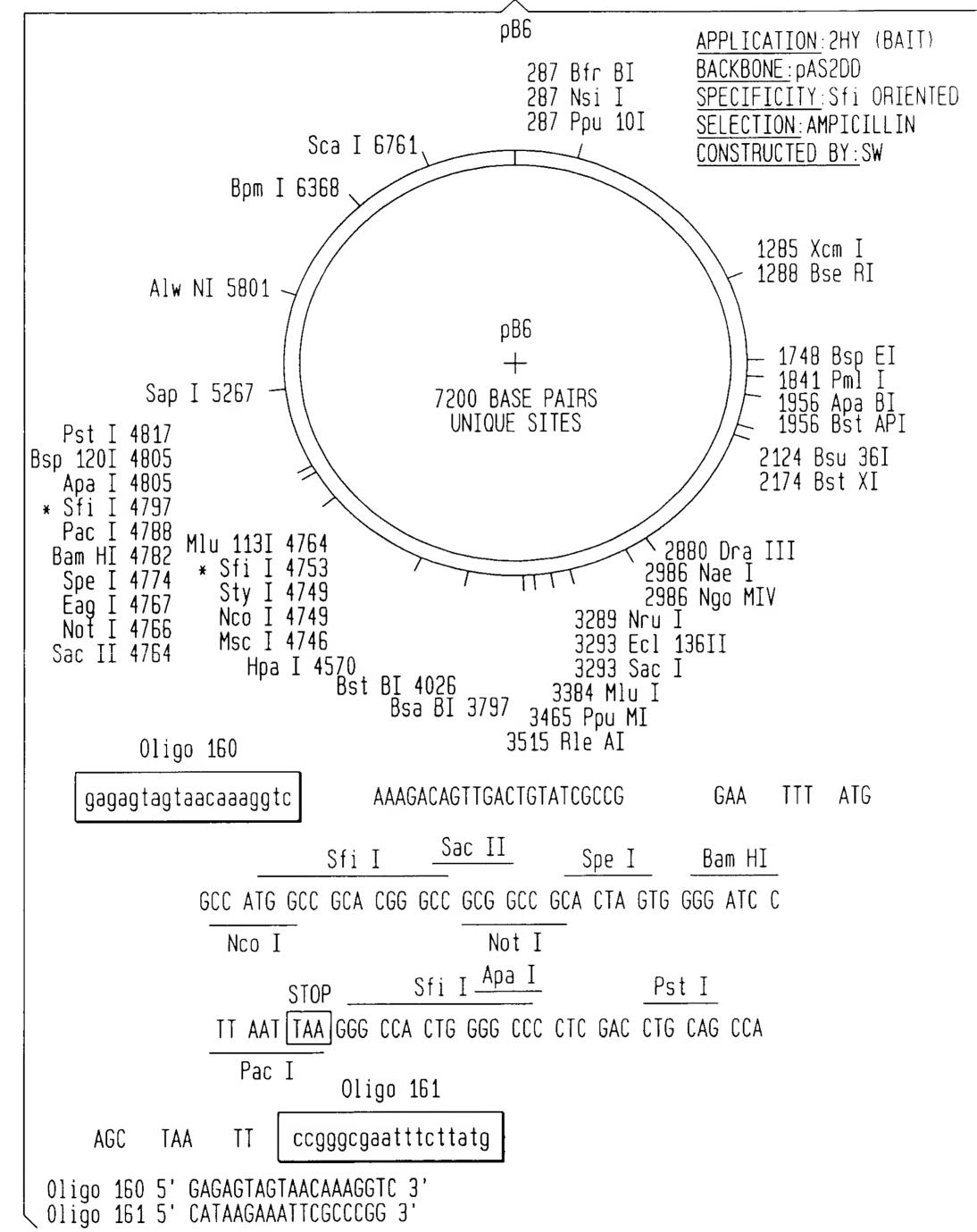




FIG. 3



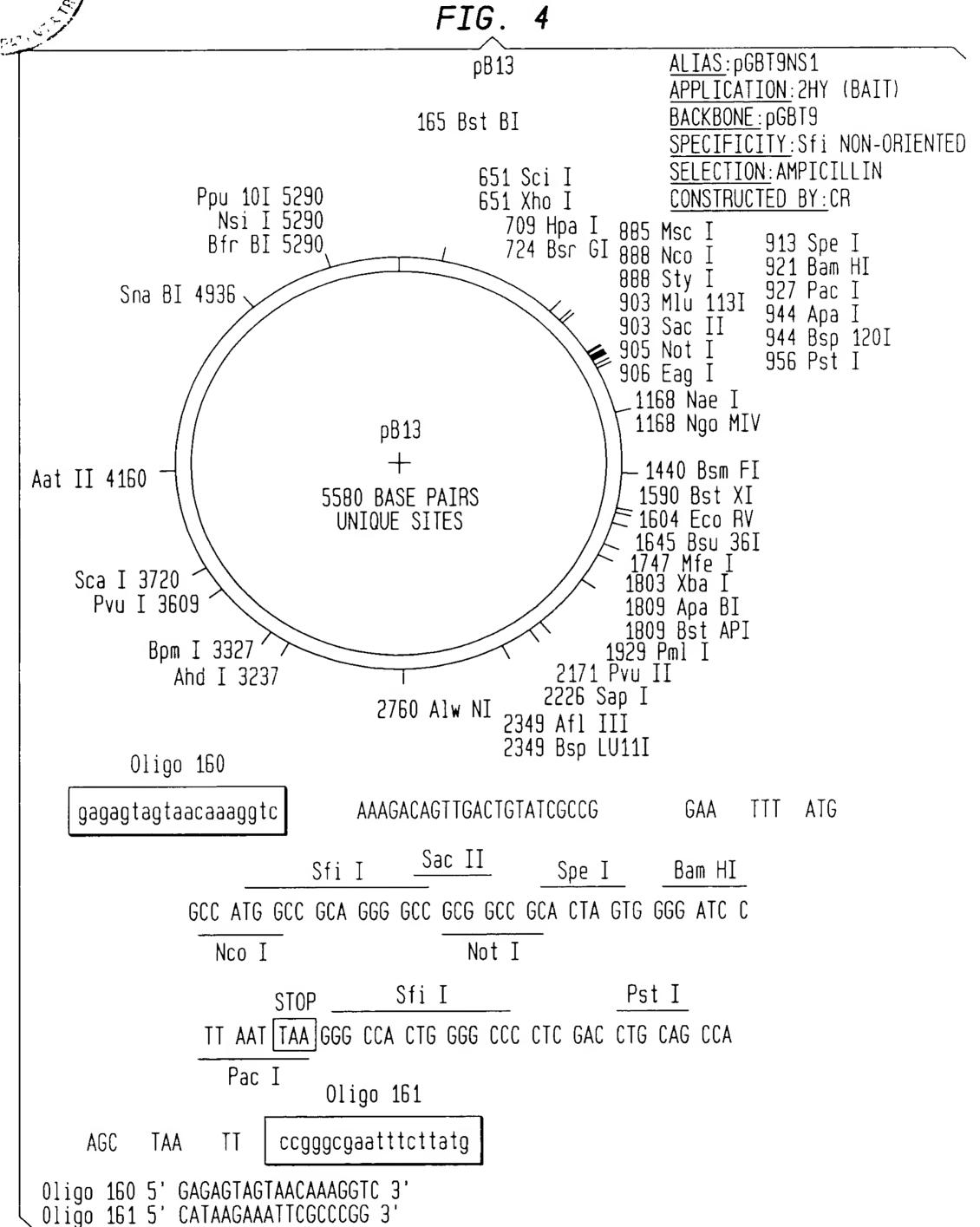


FIG. 5

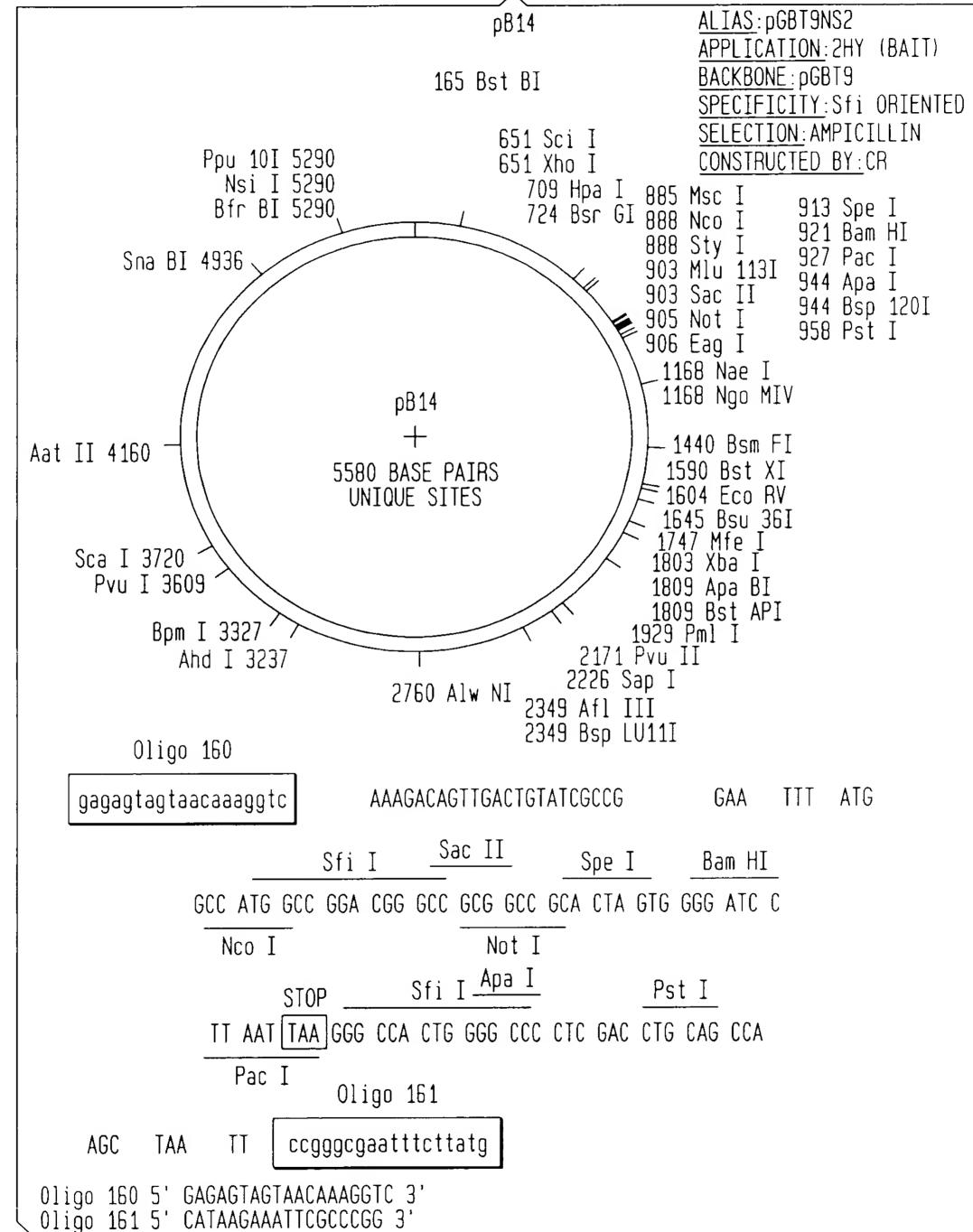
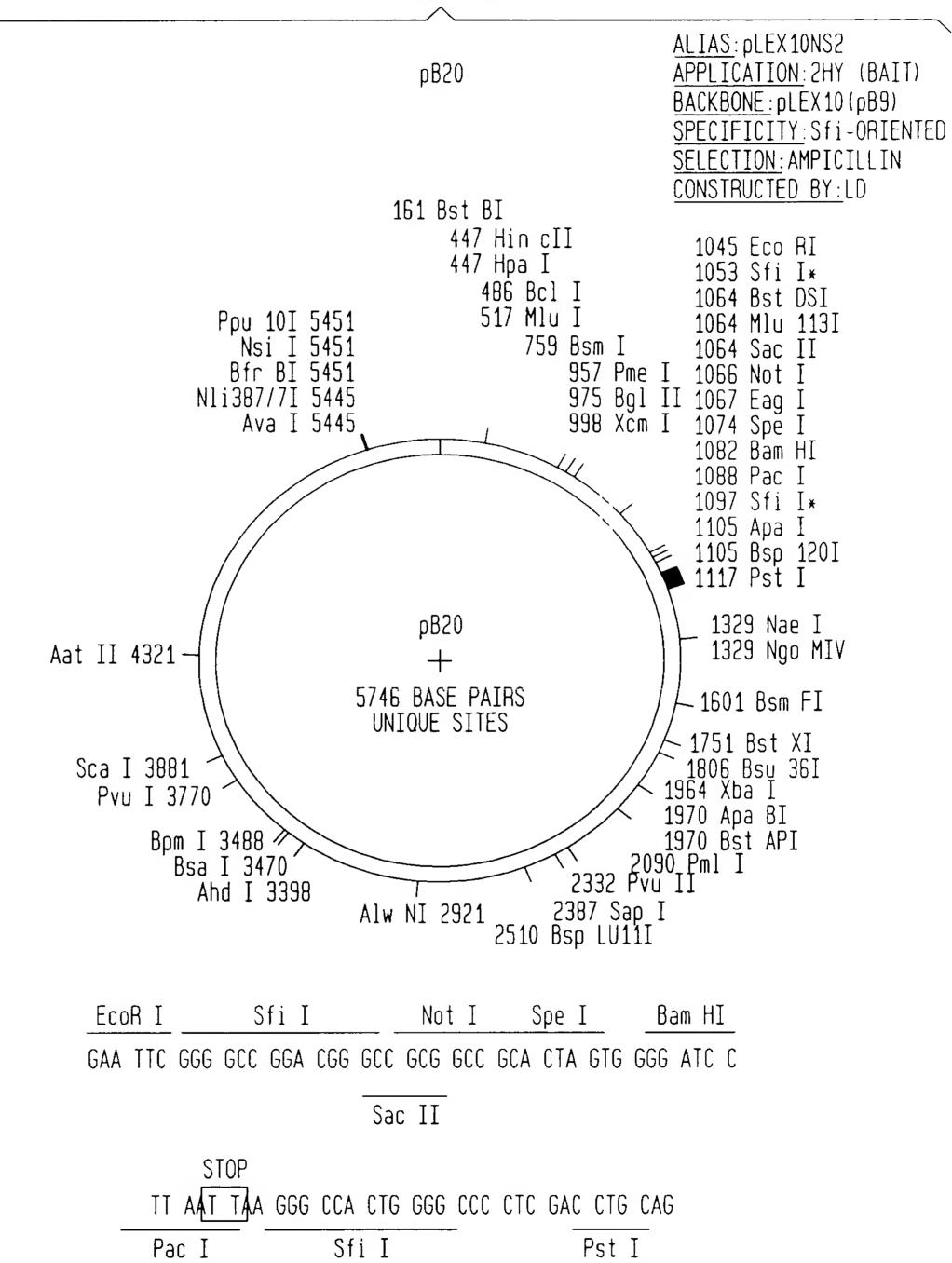


FIG. 6



Pac I

7/19 FIG. pP1 ALIAS: pACTIIst Bcl I 7932 Spe I 7917 APPLICATION: 2HY (PREY) 377 Bsa HI ,,435 Sca I BACKBONE: pACTII Xba I 7593 SPECIFICITY: 846 Bsa I ,913 Ahd I SELECTION: AMPICILLIN Sna BI 7194 CONSTRUCTED BY: 1392 Alw NI Hpa I 6552 pP1 Nru I 6146 1928 Sap I Blp I 6111= 2059 Tth 111I Bae I 6056 2157 Bsm BI **B134 BASE PAIRS** Sse 8647I 577B UNIQUE SITES Bst EII 5622 Cla I 5506 2575 Bsg I 2764 Rsr II 2905 Sex AI 2934 Mlu I Age I 5407 Eco RV 4909 3094 Sfi I 3117 Eco RI 3143 Xho I 3096 Nco I 3123 Ban II Bsr GI 4536 3106 Sma I 3123 Ecl 136II Dra III 4092 3123 Sac I 3106 Xma I 3111 Bam HI 3143 Sci I ABS1 cgtttggaatcactacagg JC90 Bgl II cgatgatgaagataccccaccaaa | CCCAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG Sma I BamH I Sfi I ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GAG GCC CCG GGG ATC CGA ATT Nco I Xho I Bgl II Sac I CGA GCT CGA CTA GCT AGC TGA CTC GAG AGA TCT ATGAAT

cgtagatactgaaaaacccc GCAAGTT cacttcaactgtgcatcgtg caccatctcaatttc

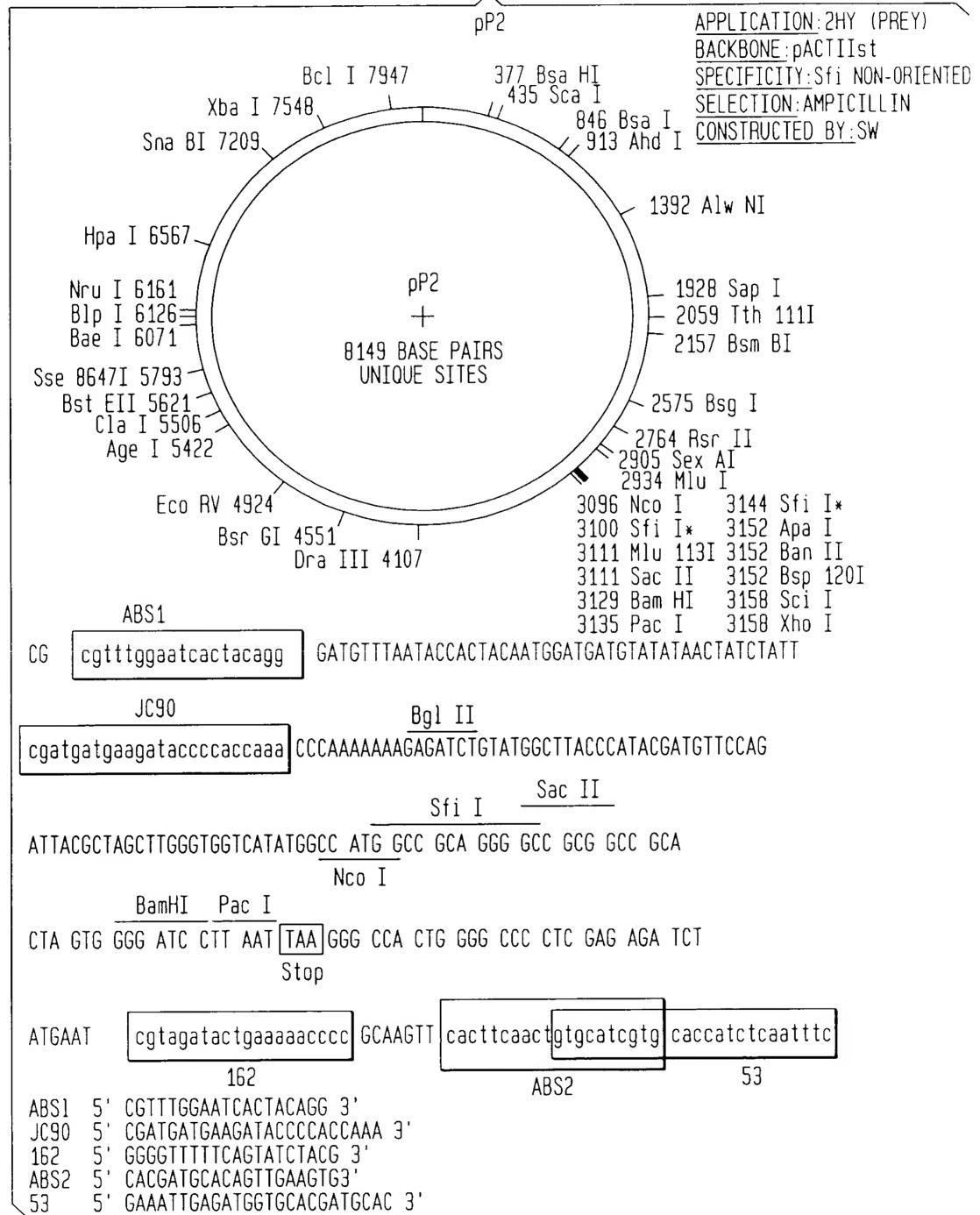
162

ABS2

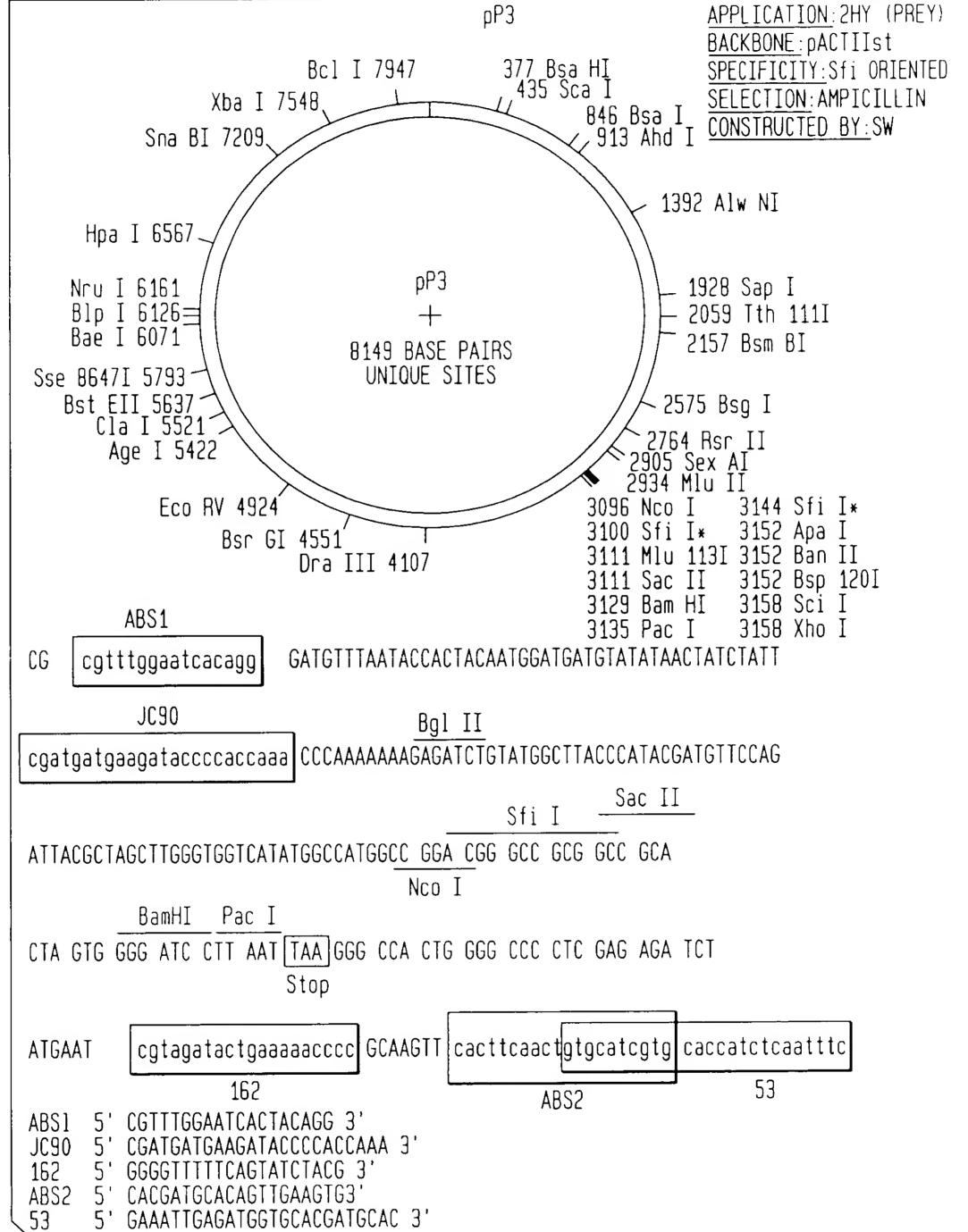
53

ABS1 5' CGTTTGGAATCACTACAGG 3'
JC90 5' CGATGATGAAGATACCCCCACCAAA 3'
162 5' GGGGTTTTTCAGTATCTACG 3'
ABS2 5' CACGATGCACAGTTGAAGTG3'
53 5' GAAATTGAGATGGTGCACGATGCAC 3'

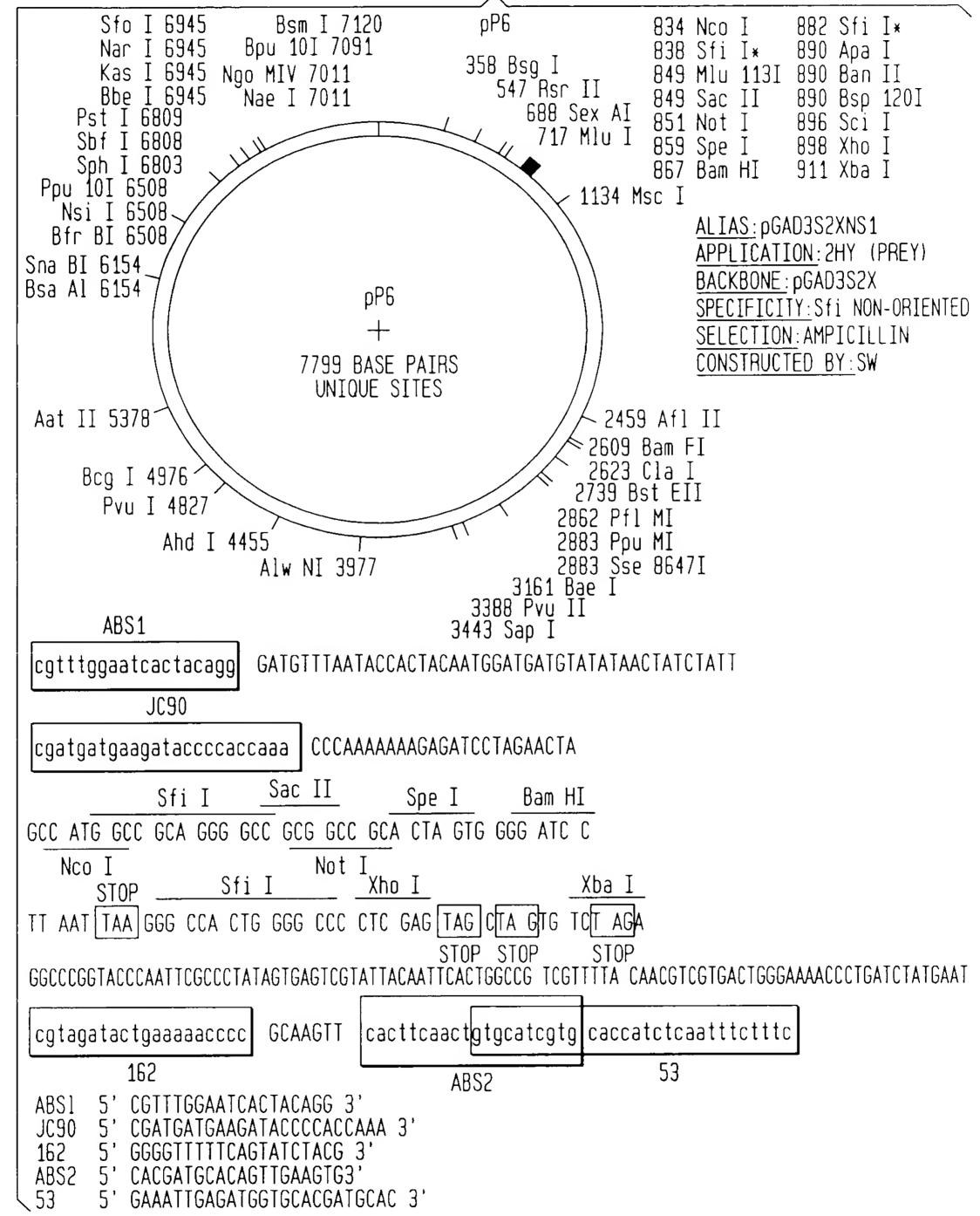
O IN 2 R 2002 JANES



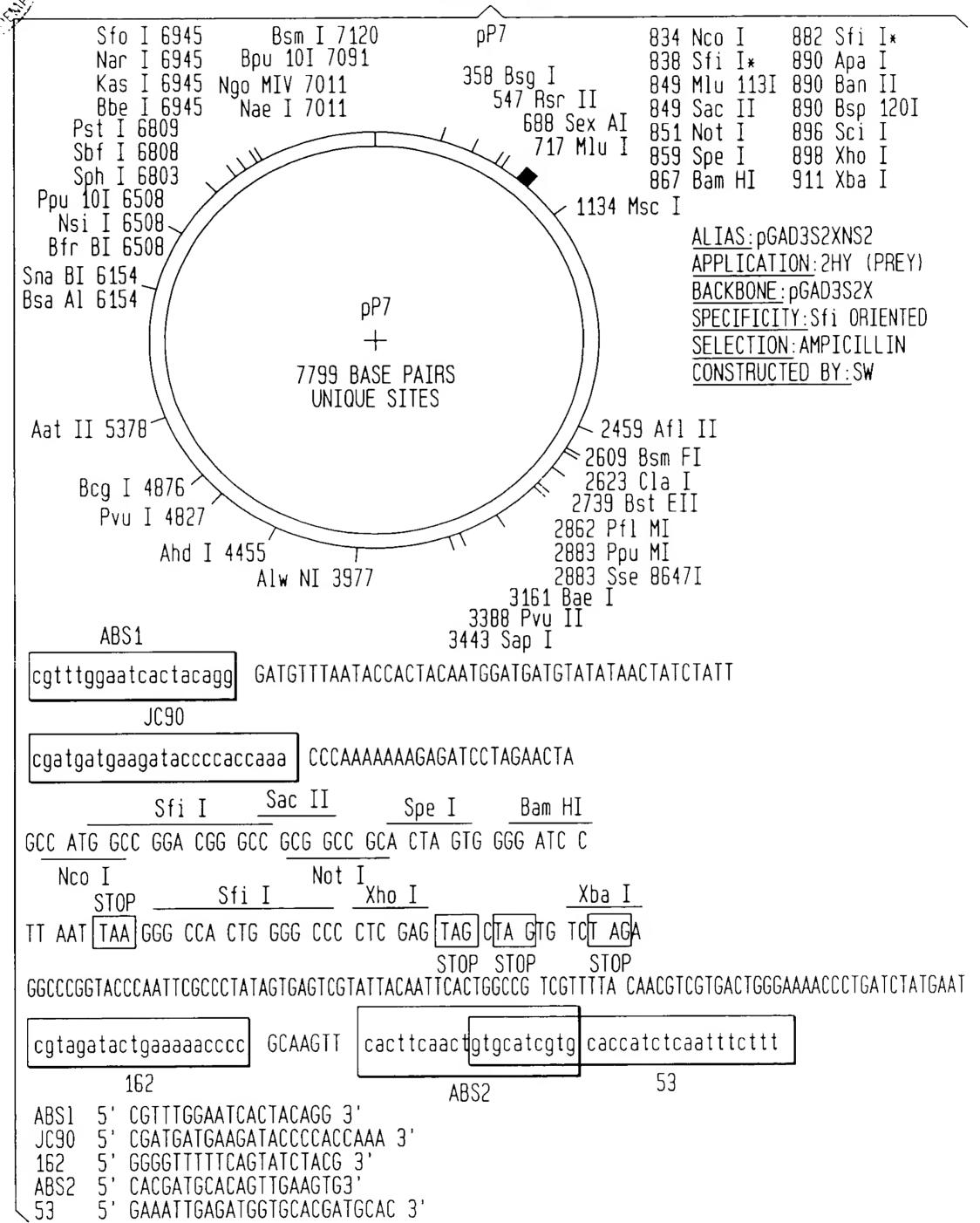
ORT 28 2002 ONLY



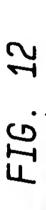


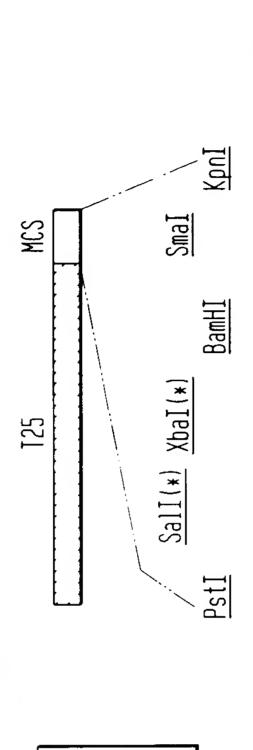


OUT 28 7002









MCS PstI BamHI Smal

plac

Kpn]

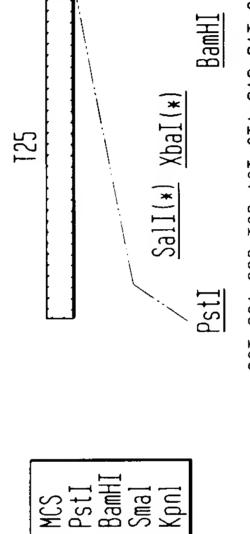
pT25 3690 bp GCT GCA GGG TCG ACT CTA GAG GAT CCC CGG GTA CCT AAG TAA CGA CGT CCC AGC TGA GAT CTC CTA GGG GCC CAT GGA TTC ATT ALA ALA GLY SER THR LEU GLU ASP PRO ARG VAL PRO LYS STOP

(*) RESTRICTION SITES ARE NOT UNIQUE

DERIVATIVE OF pACYC184

plac

cat (cm^R)



GCT GCA GGG TCG ACT CTA GAG GAT CCC CGG GTA CCT AAG TAA CGA CGT CCC AGC TGA GAT CTC CTA GGG GCC CAT GGA TTC ATT ALA ALA GLY SER THR LEU GLU ASP PRO ARG VAL PRO LYS STOP

KpnI

SmaI

MCS

(*) RESTRICTION SITE IS NOT UNIQUE

DERIVATIVE OF pSU40

kan (Km³)

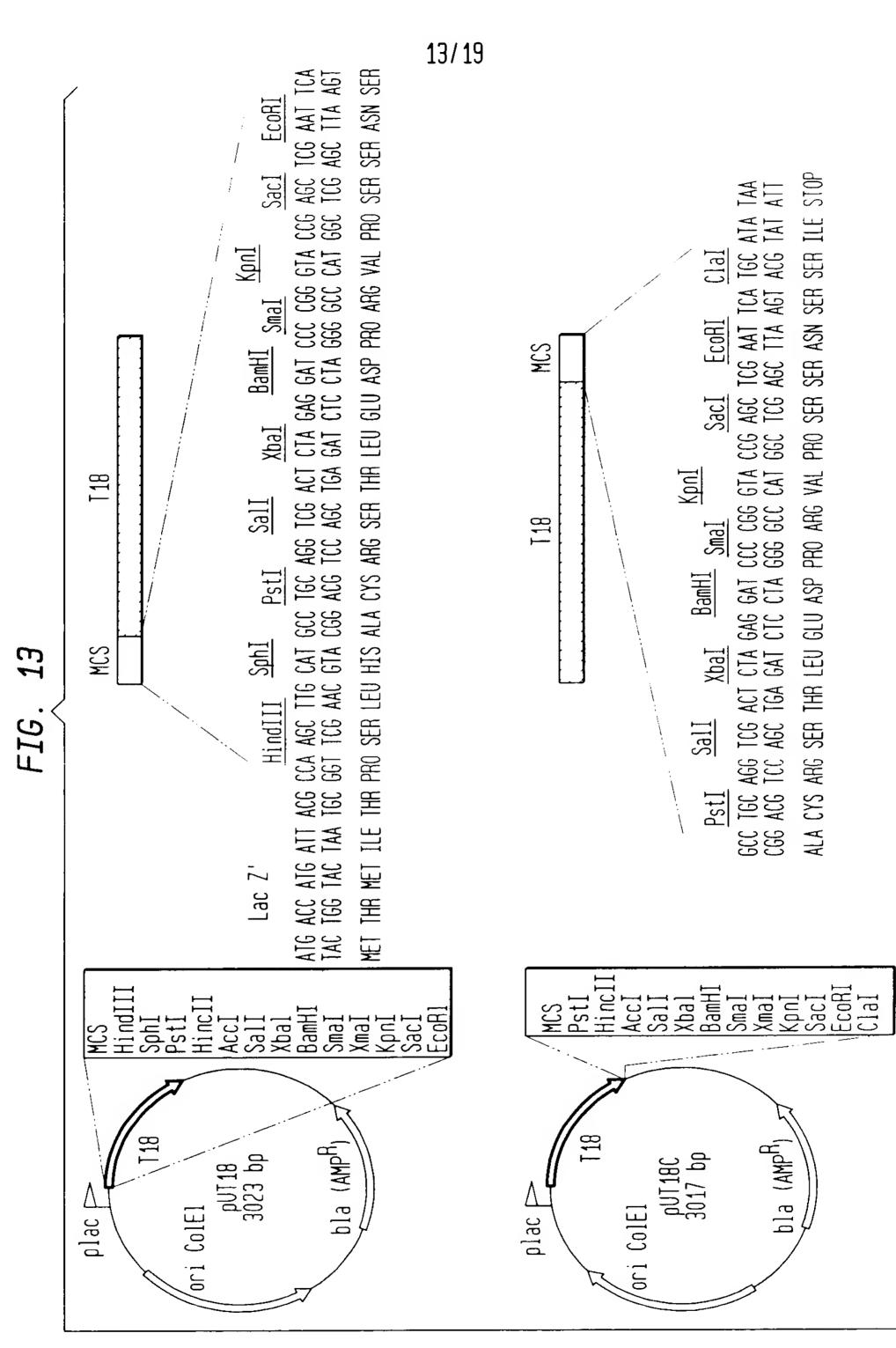




FIG. 14

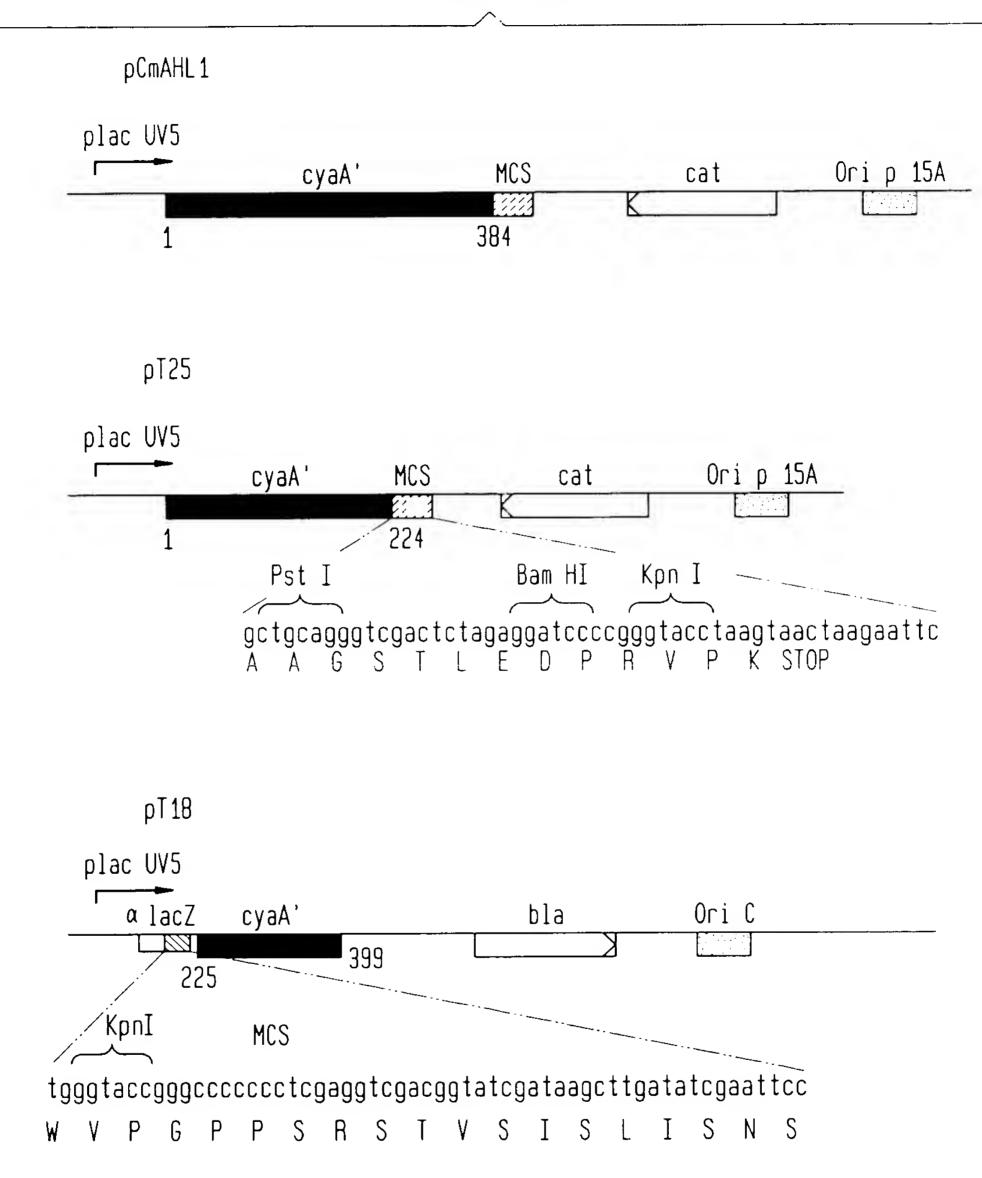




FIG. 15

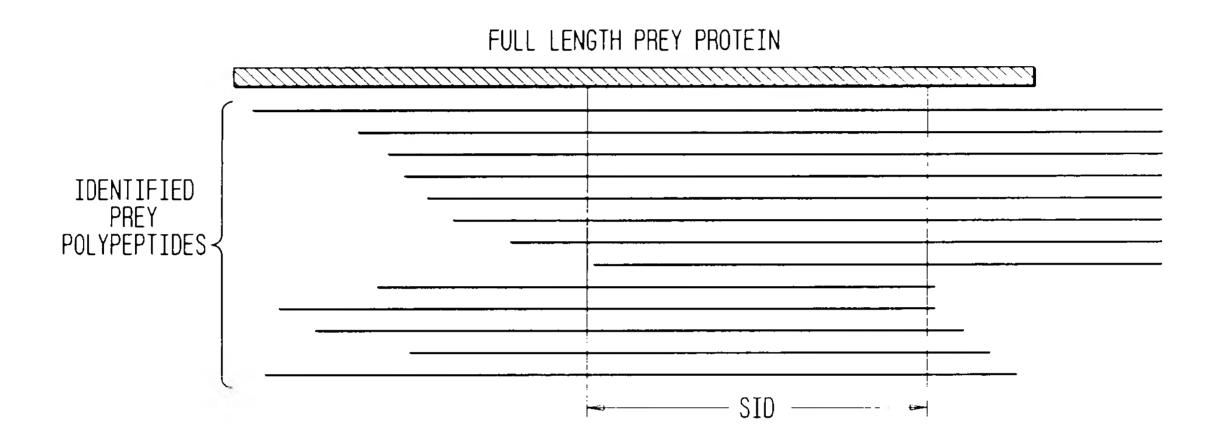
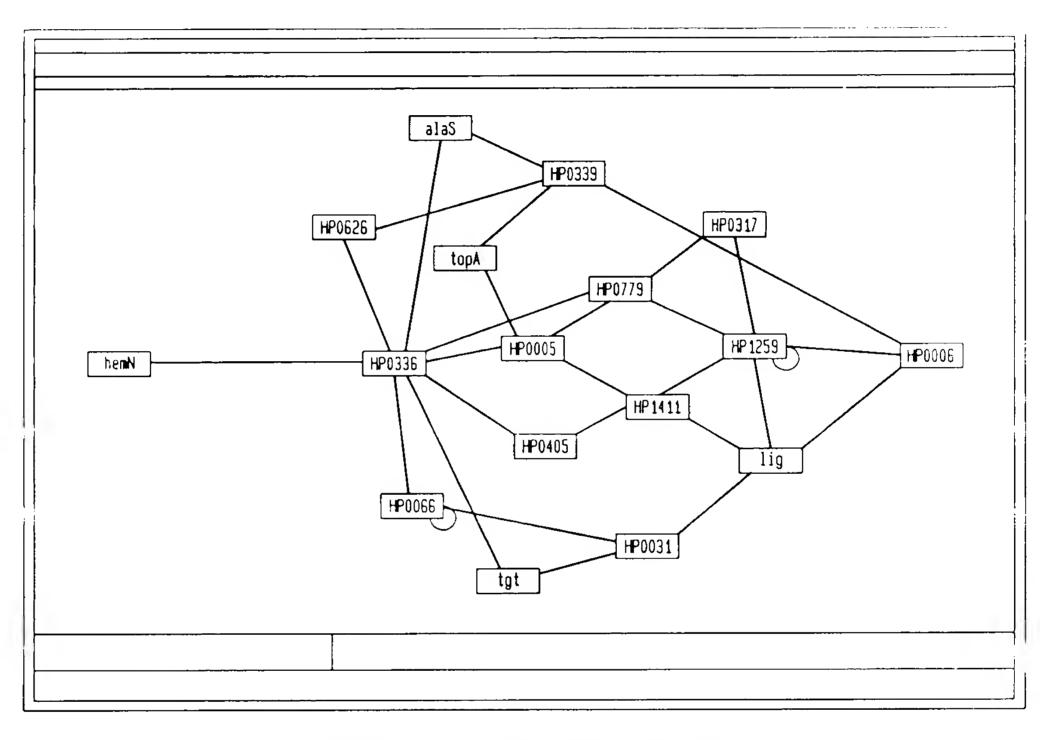




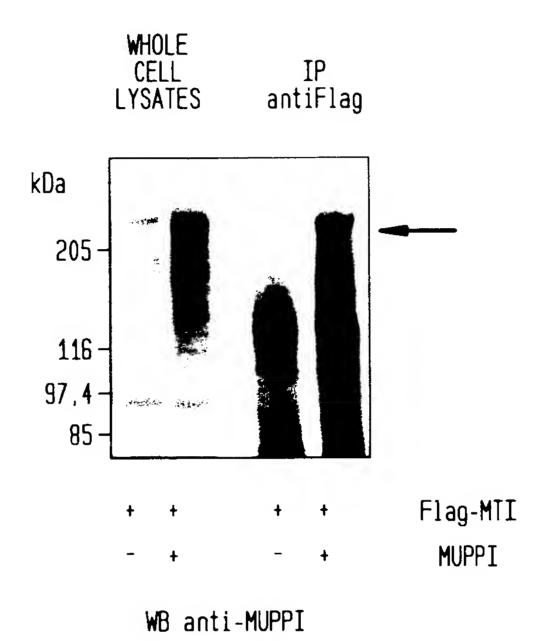
FIG. 16



EXAMPLE OF PROTEIN INTERACTION MAP



FIG. 17





18/19 FIG. 18A

EFFECT OF MUPP1 OVER-EXPRESSION ON THE OLIGOMERIZATION OF MELATONIN RECEPTORS

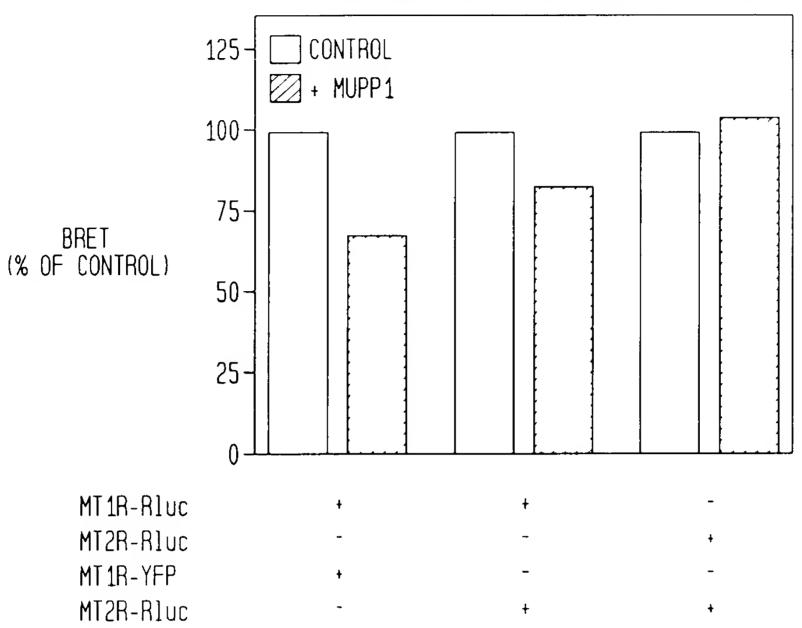


FIG. 18B

COMPETITION OF ENERGY TRANSFER BETWEEN MT1R-Rluc AND MT1R-YFP BY MUPP1

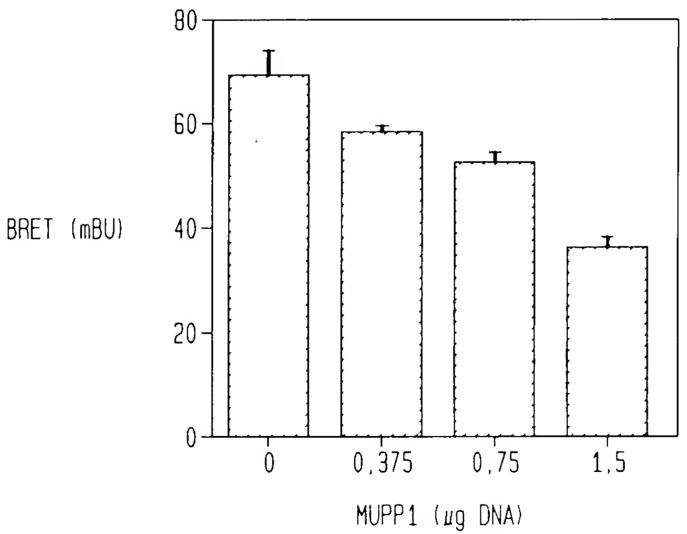




FIG. 19

